# Hitting on All Twelve

URELY an extraordinary situation has been permitted by the motor car manufacturers to exist in the automobile world. When the wires carried the alleged message of the War Industries Board that passenger car production would be ordered cut 75 per cent, there was not a peep from any of the representatives of the industry, although some one must have known what was brought out on Thursday in New York at the meeting of the National Automobile Chamber of Commerce directors, that no such statement had been made officially and that there was seemingly no basis whatsoever for it. Why in the name of common sense there was rot sent broadcast at once a statement to correct this most damaging report is more than I can figure out.

This leads right back to a weakness that has been apparent in the campaign of the motor car manufacturers ever since it has been necessary to deal with the government. The side of the motor car makers has never had publicity. All that the public has learned, or rather has been told, has come from government sources. The other side of the story has not been told under Washington date lines. And this from leaders in an industry made by publicity-paid and otherwise.

There is no question that passenger car production in this country will be even further limited by the conditions surrounding materials, supplies, transportation, etc. It is a relief to know that the government has not in mind to set any fixed limit for production, especially in view of the self-sacrificing way in which the motor car makers earlier agreed to a voluntary 30 per cent reduction.

### An Industry Hamstrung

CRANTED a government order effects the slaughter of the passenger motor car industry of the United States. What then? How about the "war after the war" for world commercial supremacy? Are we not out of it before the struggle starts?

In Italy the chief automobile company is richer and more powerful than ever before and has thousands of employes at work on munitions, as well as automobiles and trucks. The day the war stops all plans are laid for the production of a small car, to sell not alone in Continental Europe and South America, but in the United States, too. There are several French automobile factories which only await the end of the war to flood this country with cars marked with well known names.

There are hundreds of other plants in the Allied countries where there are thousands of workmen who must be kept employed after the war. The foreigners have learned our vaunted quantity production methods. They have the plants and they have the money. They are ready to give us battle on our own home grounds for the motor car business of the United States, to say nothing of what they have in mind for the commerce of other parts of the world.

Against them, with their resources and their new knowledge, picture our American industry. Where is it? Shut down for a year or more (who can say how many years the war will last?), it must later stagger out to do battle. Factories dismantled and production organizations dissipated (for not every motor car plant in this country can turn to motor trucks), we will enter the lists against the fresh and new giants. A fine chance! The runner who eases up in his finishing sprint finds it impossible to pick up his speed again quickly. That's the way it will be with us. We, relaxed, against them, ready and eager.

Another thing. Demobilization of our army abroad when peace comes. will be a matter of months and months. It may take a year and a half; it may mean two years. And all the time that the United States is deprived of the possible mechanical services of the hundreds of thousands of men abroad the foreign factories will be working on the after-

If the government is seeking to kill our chances in the after-war battle for commercial supremacy, in the automobile line at least, cutting down production to-day 20 per cent is the ideal way to do it. It will be the hamstringing of an industry, cut down from behind

### Shortage on the West Coast.

TNABILITY to get railroad equipment hits the Pacific Coast motor car dealer harder than it does his Eastern brother because driveaways to the Pacific from the Middle Western factory points are impossible in the winter and involve so many miles of running over none-too-good surfaces as to make them inadvisable even in the summer. From a Western town I get this picture of the situation at present:

winter and involve so many miles of running over none-too-good sures as to make them inadvisable even in the summer. From a Western in I get this picture of the situation at present:

"The Ford people here have not had a half dozen cars in the last a little better off so far, but are expecting to be shut off entirely soon. Bey don't know what to do and are considerably up in the air.

"Some are making a fortune on second-hand cars, as the people in grandle outlying towns are not hen to the situation and will sall their moment that the moment that the automobile had the horse dangling on the topse ready to sag under the fination, he got a summer and under the stimulative effect of a little better off so far, but are expecting to be shut off entirely soon.

"Some are making a fortune on second-hand cars, as the people in grandle outlying towns are not hen to the situation and will sall their market."

But just at the moment that the automobile had the horse dangling on the topse and under the stimulative effect of a heavy demand for cavalry horses and for increased motive power throughout the nation, he got back his wind and now is battling away with all four for increased motive power throughout the nation, he got back his wind and now is battling away with all four for technical experts or boards.

The law confers on the office of Sectory authority, lacking hitherto, to name of its increased motive power throughout the nation, he got back his wind and now is battling away with all four for increased motive power throughout the nation, he got back his wind and now is battling away with all four for increased motive power throughout the nation, he got back his wind and now is battling away with all four for increased motive power throughout the nation, he got back his wind and now is battling away with all four for increased motive power throughout the nation, he got back his wind and now is battling away with all four for increased motive power throughout the nation, he got back his wind and now is battling away two months and are planning on going out of business. The other dealers are a little better off so far, but are expecting to be shut off entirely soon. They don't know what to do and are considerably up in the air.

the small outlying towns are not hep to the situation and will sell their cars at a reasonable price to the city dealers, and then they take them | cd out that the horse eats so much that

especially to the dealers."

### Traffic Rules For Pedestrians

H OW much the pedestrian user of the streets stands in need of some of the discipline of traffic regulation to which the automobilist is accustomed from the beginning of his motoring career is proved by so small a matter as the actions of subway users at the Brooklyn Bridge entrances. Here the stairways are divided by a railing, the idea being, of course, to keep the conflicting currents of traffic moving smoothly by sending all the entering passengers down one side, so that those leaving the trains may use the other side.

This is all a matter of supposition, because the idea of "keep to the right" which is custom and instinctive with the automobilist is not at all the thought of many subwayites. At almost any moment of the day those going downstairs will find themselves obstructed by persons toiling upward. Impatient of following a crowd up the proper stairway, these folks worm their way up the wrong side, unmindful of the discomfort they are causing

Yet there are folks who think the motorist is always to blame when there are accidents in the street. If pedestrians were trained to obey traffic laws as motorists are and do, accidents would be fewer.

### What Coffin Has Done

HOLD no brief for Howard Coffin, late of the Aircraft Production Board, but I do know that more than two years ago he quit his place with the Hudson Motor Car Company, and has since at his own expense labored unceasingly in the interest of the government. He was the first man, in connection with the work of the Council of National Defence, to get Exether statistics regarding factories available for war work. The figures he collected covered thousands of plants and constituted most valuable information.

He gave his time, his energy and his best thought to the work he was set to do, and never thought of pay. Coffin is not a rich man, as some of the volunteers have been. It has cost him at least \$40,000 to serve the country as he has. And for reward apparently he is to be made the "goat" in the aircraft tangle.

Cost of Carelessness Is

Item of Car Expense
"Careful driving will greatly reduce
"Careful driving will greatly reduce
the average driver's expense," says
George Stowe, president of the Mitchell
Motor Car Company of New York.

States can be saved if all motorists will stop running their motors when cars are standing still. This is not only an expensive practice, but it is a somewhat dangerous nuisance, and undoubtedly will be soon prohibited in all of the principal cities of the countributions to pay for a function of the countributions to pay function of the countributions to pay function of the countribution of the c

George Stowe, president of the Mitchell Motor Car Company, of New York. "There have been some big increases in fuel and oil prices. Tircs have increased in price to some extent, too. Many other things required in the operation of a car cost more than formerly, but the cost of carelessness has been and is still being materially required every day. Most automobiles are operated at less expense than formerly. "It is probably conservative to state that from 5 to 10 per cent of the carelessness when he settles his fuel build used by motorists in the United state of the principal cities of the country. The proper adjustment of carbure-tors will make another considerable saving, and one almost as great can be made by the careful use of the foot throttle. The driver who is constantly increasing and throwing off his power undoubtedly makes the more noise, but he does not add to the comfort of his passengers by doing this, and he pays a pretty stiff price for his carelessness when he settles his fuel building the country.

## Did You Ever Know It to Fail?



# Slight Come-Back These Days

ease on life in the inevitably losing battle which that animal is waging to prevent the automobile from forcing him into the glass cases along with the remnants of the pterodactyl and the mastodon.

Three years ago the number of horses in America began to dwindle It came into existence last Wednesday and last year no less a partisan of the with the signature of the Governor. It horse than the Secretary of Agriculture is hoped the law will do away with the said in his annual report: "Slowly but surely the auto-truck is driving dray horses from the city streets. Already the automobile has effectually put the driving horse off the country roads. The farm demand for several years has been the mainstay of the horse market."

But just at the moment that the

more rounds.
One automobile enthusiast has pointcars at a reasonable price to the city dealers, and then they take them in town and get a topnotch price for them. For instance, the second-half 17 Fords that retailed at around \$400 then are bringing \$550 now. That makes a nice profit, and there is no service to bother with, either. Thus they buy the car at \$350 and get \$550 for them without an overhaul.

"The shipbuilding on Puget Sound, with its high wages, made a big boom in the auto business, as these birds buy cars the first thing. But sow that the cars are cut off it leaves the dealers with a bigger shop and business. That is an interesting situation, especially to the dealers."

"dout that the horse eats so much that there would be an immediate demand for his destruction were it possible to replace him quickly for the work which must be done. By way of statistics this man points out that although only 60,000,000 acres of farm lands in this country are devoted to wheat growing, 41,000,000 acres are given up to oats and 54,000,000 acres to hay, two articles of diet which are essentially horsefeed. Ninety-five million acres for horsefeed and only 60,000,000 of for wheat in these times when every acre counts shows

and only 60,000,000 for wheat in these times when every acre counts shows altogether too much favoritism to the horse, in this man's opinion.

Having practically vanquished the horse in the field of passenger transportation, the automobile is now taking a new line of attack by making a strong bid for supremacy in the field of truck transportation.

transportation.

A statistician of the United States A statistician of the United States Tire Company estimates that nearly 1,500,000 truck tires are now in use on commercial vehicles in this country. The trucks in use have already supplanted more than 1,000,000 horses, and it is safe to say that when the war is over and there is a surplusage of motive power the auto trucks will stay and the horses will go. The same may be said of the farm tractors, which appear to be destined for an important pear to be destined for an important place on the farm at the expense of

pear to be destined for an important place on the farm at the expense of the horse.

The motor truck easily demonstrates its superiority over the horse-drawn truck in the present national emergency, in which the automobile has been called on to help out the railroads. Although motor truck transportation has owed its very existence to the solid rubber tire, the truck has shown its best result in the present emergency when equipped with pneumatics—such, for instance, as the "Nobby Cord"—which make long trips at high speed possible without serious wear and tear on the car and with a great saving of gasolene.

Tire experts are of the opinion that the solid tire will play an important part in motor truck transportation for years to come, but the developments in the pneumatic tire for this class of work make it appear that the air tire will displace the solid tire, except for

will displace the solid tire, except for use on trucks of four tons and larger.

In the foregoing nothing has been said about the automobile's struggle for supremacy with the mule. With his usual obstinacy, the mule refuses to get to one side and continue to get to one side and continues to show an increase each year in this country of from 50,000 to 100,000.

Wants Field Ambulance

The Brooklyn division of the Motor Corps of America is looking for contributions to pay for a field motor ambulance for active service. The motorists registered in Kings County are being appealed to, to send their money to Alex Schwalbach, 1844 Eighty-second Street, Brooklyn, for the purpose. The motor corps is composed of volunteer women who buy their uniforms and drive their private motor cars (for whose running expense they pay in full) to transport wounded, sick, as disabled or convalescent soldiers and do all manner of other services in the interest of the armed forces.

# The Horse Is Doing a Headlight Law Provides for List of Accepted Devices

New York State Measure Should Help to End Confusion

ALBANY, May 11 .- New York State has a new motor vehicle headlight law.

of State a device for controlling the front lights of motor vehicles, to the ond that this device shall then be subend that this device shall then be submitted for a test to the United States Bureau of Standards or any other qualified testing laboratory not interested, and apparatus, or to a disinterested, in any way in lamps or headlighting apparatus, or to a disinterested, qualified technical expert or experts from the physical laboratory of a university or technical school in this state. The fee will be \$50. The Secretary of State also has the power to test out the device on the road as he may see if.

Following a notice from the bureau, the device on the road as he may see if.

Following a notice from the bureau, the device, to the effect that it complies with the provisions of the law and prescribing the candlepower to be used with it, Secretary Hugo may then issue a certificate that the device meets with the requirements of the law and prescribing the candlepower to be used. Those dissatisfied with the results of the test have the right of appeal to the United States Bureau of Standards, whose decision shall be final. Among other new provisions of the law are:

It the case in other states, lights that come within New York's law.

The law further states that front lights are to be visible at least 250 feet in the direction in which the car is going, and when it is on a highway not spects straight ahead 200 feet away such front lights shall be of sufficient intensity to reveal that object at least 200 feet away. This, however, is not oapply to motor trucks, described in Subdivision 4 of the law.

The law further states that front lights are to be visible at least 250 feet in the direction in which the car is going, and when it is on a highway not sufficient intensity to reveal that object at least 200 feet away.

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The law further states that front lights are to be visible at least 250 feet in the directi

plies with the provisions of the law and suggesting the maximum candlepower to be used with it, Secretary Hugo may then issue a certificate that the device meets with the requirements of the law and prescribing the candlepower to be used. Those dissatisfied with the results of the test have the right of appeal to the United States Bureau of Standards, whose decision shall be final. Among other new provisions of the law are:

Lighting-Up Time

er power has been prescribed under one of the subdivisions of the new law. The lighted lamp in the rear must be such that the numbers of the license plate are legible at least fifty feet away.

are legible at least fifty feet away.

The front lights must be so adjusted and operated as to avoid dangerous glare or dazzle and so that no dazzling light projected to the left of the axis of the vehicle when mensured 75 feet or more ahead of the lamps shall rise above 42 inches on the level surface on which the vehicle stands. There must also be sufficient side light to reveal any object 10 feet to both sides of a car at a point 10 feet ahead of the lamps.

All this, however, which has been a puzzle to ninety-nine out of every one hundred motorists, will be taken care of in the tests. Lists will be furnished

distant. law are:
Every motor vehicle when running shall display from one-half hour after sunset to one-half hour before sunrise at least two lighted lamps in front, of approximately equal power, but not exceeding 24 candlepower, unless a great-A new edition of New York State's

### 11—Gasolene Transfer System

The diagram that follows is the eleventh of a series designed to be of value to automobilists to assist them in diagnosing and curing various troubles. The charts, in the main, apply to all types of cars. The plan is to publish a chart weekly until the whole field is covered.

Filler cap or thumb screw on filler cap not tightened.
Imperfect filler cap gasket.
Leaking air connections.
Failure to screw in hand pump handle tightly after using.
Insufficient lubrication of air pressure pump on energine is run.

Leaking pipe. Sharp bend or dent in air or gasolene piping.

Low pressure in- Causes under "A." Pressure gauge inaccurate. gine is running.

Filler cap or thumb screw on filler cap not tightened. Imperfect filler cap gasket.
Leaking air connections.
Failure to screw in hand pump handle tightly after using.
Leaking check valve at pump. c. Pressure falls off rapidly after en-gine stops..... Leaking air pres- Imperfect needle valve or seat. sure regulator.. Dirt on needle valve or seat.

Leaking pipe. Incorrect adjustment of air pressure regulator. Dirt in valve guide. Pressure gauge incorrect.

High pressure in-

e. Insufficient flow of gasolene to carburetor .....

Pressure gauge incorrect.

Valve at tank nearly closed.

Low air pressure.

Strainer at top of tank, under front floor or at carburetor carburetor, clogged with dirt or ice.

Dirt or ice in settling chamber at bottom of gasolene tank.

Sharp bend or dent in gasolene piping.

\*Of course, not ice, these days.

### For Any of Ten | Punch Card Plan Reasons, Power May Be Lacking

Study This Article and Become Familiar With the List

By William H. Stewart, Jr.

Quickly to disgnose trouble in the power plant of an automobile seems the meeting of the Highway Trans like intuition, but it is not. The per- Association at the Automobile Clab of son with the widest experience is most America on Friday night. He told the apt to locate it quickly. This is merely members of several plans of traffe because he has a broad view of the regulation that indicate an earner

# To Save Delays In Traffic Court

Police Commissioner Harris Announces Several New Plans of Regulation

Dr. John A. Harriss, special deputs

# Roadsters for Economy a Growing Idea



"One thing we have noticed particularly in the last six or eight months," says Harry De Bear, Maxwell branch manager, "has been the increased demand for roadsters. This comes from people who must have automobiles in their daily pursuits, and who have cut down to as small and economical a type of car as possible, which has resulted in the fact that we have sold and are selling a great many more roadsters for every purpose than we ever have in the past."

of the motor car army has started," says
A. M. Robbins, general manager of the
Chalmers Sales Company, Inc. "Our
sales of Chalmers cars and the tuning
up of machines of owners at our service station indicate that the summer
season is to be a busy one for the automobile.

"The machines are not to be used
only for touring, in the ordinary meaning of the word, but for utility purposes of every kind.

"Thousands of relatives and friends
of soldiers in camps miles away from
New York will journey by motor car to
see the boys. Motor cars will be a
great aid to the railroads in relieving
some of the burden of transportation
of passengers and freight. The nation
will profit by the use of the motor car,
for touring is not only good for business reasons, but also for health, spirit
and morale."

which throw the shafts out of line,
dragging brakes, slipping clutch or
other troubles. Here, indeed, the experienced mechanic is required.

Taylor Takes on Signal

For New Motor Truck Line
R. E. Taylor is back in the motor
truck business in New York. He is
head of the Automotive Sales Corporation, at Seventh Avenue and Fifty-second Street. Rather, that is where his
place of business will be when completed. His temporary offices are at
1777 Broadway.

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1777 Broadway.

Taylor will handle the Signal truck,
in models from one to five tons. The
engine has power enough to tuning
ing the clutch when you try again
the elegin all over. If the car starts
repress the impulse to step on the secolerator.

Keep the engine stalls.

If the engine stalls,
If t

the trucks, and clamber into the threeton carriers for their day's sleep. As
soon as "breakfast" is finished in the
evening they swing the big khakicolored trucks into the road again and
hit out toward the seaboard.

Besides the equipment of the soldiers
—there is a fifteen-day ration aboard
for each man—the trucks carry loads
of parts, also destined for the American Expeditionary Forces.

This is the first night run of a series
in which the Quartermaster's Department of the United States Army is
giving the drivers a foretaste of the
work they will be called on to do oversens. As in the case of the first delivery of trucks from factory to senboard under their own power, Packard
trucks have the honor of pioneering the
night drives. Another innovation is
that each of these truck companies
numbers fourteen more trucks than
those which have been making the daylight run.

Motor Car Army at

Home Is Mobilizing

"Signs indicate that the mobilization
of the motor cararmy has started," says

A. M. Bobbas general managers of the
the trucks, and clamber had because of the
two work there will be a companies
in which the case of the first delivery of trucks from factory to senboard under their own power, Packard

Under our ninth head we must colleaking of the gasket. It is extremely
a new head complete.

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the trucks, and to deversens, and the fore of the flywheel
in the trucks army is
that overcooling is bad. By overcooling, too much heat is lost and soon
much of the cause we may consider carbon, and a very frequent
in the trucks in the
motors of dear life, shortening the
burning gas wasted, thus losing power.

As the expansive qualities of the
burning gas wasted, thus losing power.

As the seventh cause we are so too much in expansive qualities of the
burning gas wasted, thus losing power.

As the seventh cause we are secund spark plugs, with
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viz., the car moves or the engine